

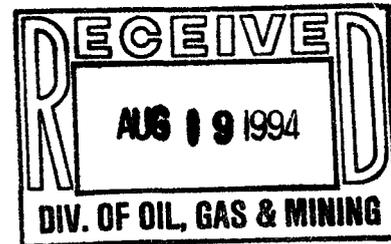
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Cyprus Plateau Mining Corporation
P.O. Drawer PMC
Price, Utah 84501
(801) 637-2875
Fax: (801) 637-2247

August 16, 1994

Mr. Steve Demczak
Utah Department of Natural Resources
Division of Oil, Gas and Mining
451 East 400 North
Price, Utah 84501-2699



Dear Mr. Demczak,

*Exp/007/038 #5
Copy Joe, Daran*

RE: NOV N-94-39-3-1 - COMMENTS & REQUEST FOR RECENDING NOV

The damage to the siltation structures at the Blackhawk Exploration site was caused by a cloudburst in the general area on Tuesday, August 9, 1994. The rainfall amount was documented in a rain gage at the Carbon Country Club area as 1.15", and at the Blackhawk Field trailer in Willow Creek as 1.16". The rainfall gage at the Blackhawk trailer was installed by myself and was read on August 8 at approximately 1:00 PM at 0" and at approximately 6:15 pm on the 9th at 1.16". The Pro at the Carbon Country Club (Chris Abbeglen) told me that the storm duration was between 15 and 20 minutes, this was also verified with two other people in the Helper area.

Attached is a copy of the estimated return periods for short duration precipitation events for the Price station taken from the publication "Estimated Return Periods For Short-Duration Precipitation In Utah" published by the Utah State University Department of Soils and Biometeorology, Bulletin No. 1, March 1971. As you can see on the table, 1.16" in 15 to 20 minutes is well above a 100 year, 15 minute duration event, and is more in the range of a 1,000-year, 15-minute event (by interpolation).

We cannot possibly be held responsible for controlling runoff from an event of this magnitude. The regulations at R645-742.231 requires "other treatment facilities" to be designed or adequate to treat the 10-year, 24-hour precipitation event. The storm that created this damage was of such short duration and intensity that a virtual wall of water hit the structures.

Ben Grimes
Page 2
August 16, 1994

By this letter, we are respectfully asking that the NOV be recended based on documented evidence of the precipitation event.

We are taking steps over the next 2 days to repair the damage to the silt fences and make them functional again; we will improve the installation at the same time.

Please call if you need any further information.

Respectfully,



Ben Grimes
Project Manager

c: Lowell Braxton
Joe Helfrich

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ESTIMATED RETURN PERIODS FOR SHORT DURATION PRECIPITATION
(inches)

Station: Price
Latitude: 39° 37'

Elevation: 5680
Longitude: 110° 50'

D U R A T I O N

RETURN PERIOD (years)	D U R A T I O N									
	5 Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	6 Hr	12 Hr	24 Hr
1	.08	.13	.17	.23	.29	.37	.44	.62	.78	.95
2	.12	.18	.23	.32	.40	.49	.58	.80	1.00	1.20
5	.16	.25	.32	.44	.56	.68	.79	1.07	1.32	1.58
10	.20	.31	.39	.54	.68	.81	.94	1.25	1.53	1.82
25	.24	.37	.47	.65	.82	.98	1.13	1.50	1.83	2.18
50	.28	.43	.54	.75	.95	1.12	1.29	1.71	2.08	2.47
100	.31	.49	.62	.85	1.08	1.27	1.45	1.91	2.32	2.74

Station: Promontory Point (Saline)
Latitude: 41° 13'

Elevation: 4230
Longitude: 112° 29'

D U R A T I O N

RETURN PERIOD (years)	D U R A T I O N									
	5 Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	6 Hr	12 Hr	24 Hr
1	.16	.24	.31	.43	.54	.57	.60	.68	.75	.82
2	.18	.27	.35	.48	.61	.67	.72	.85	.97	1.09
5	.21	.32	.40	.56	.71	.80	.89	1.11	1.31	1.51
10	.22	.34	.43	.60	.76	.88	.99	1.28	1.53	1.80
25	.26	.40	.50	.70	.88	1.03	1.17	1.53	1.85	2.18
50	.27	.42	.53	.73	.93	1.11	1.28	1.71	2.09	2.49
100	.29	.45	.57	.79	1.00	1.21	1.41	1.90	2.34	2.80